


Our Website

Welcome to the world of perfect miters!



The Lion Miter Trimmer makes perfect miters and is the original Made in the USA miter trimmer. The purpose of this tool is to make precision miters without the need for sanding, planing or suffering tear out. Anyone looking to make frame molding, picture frames, cabinets or finish carpentry and who has used a miter box, miter saw or compound miter saw

knows that additional planing or sanding is usually required for a glass smooth cut or glass smooth finish. And you can end up with rounded corners or you could change the angle of the cuts with additional planing. The Lion Miter Trimmer tool eliminates the need for sanding or planing, and provides glass smooth miters every time. This tool is commonly used by finish carpenters, in cabinetmaking, picture framing and by hobbyists and should be considered a basic tool in anyone's tool box, picture framing tool kit or miter tool accessories kit.

Our Web site includes some additional background on this remarkable tool, shows some additional cuts (such as basic miters, compound miters, bevels, chamfers, squaring and planing and rounds), a Lion Miter Trimmer parts overview, a brief description of our Lion Miter Trimmer accessories, including the Measuring Attachment Accessory and our Top Trimmer Accessory, and our Lion Miter Trimmer dealer names.

[Home](#) # [How to Use](#) # [Background](#) # [Support](#) # [Where to Buy](#)

Support: Using the LION Miter Trimmer

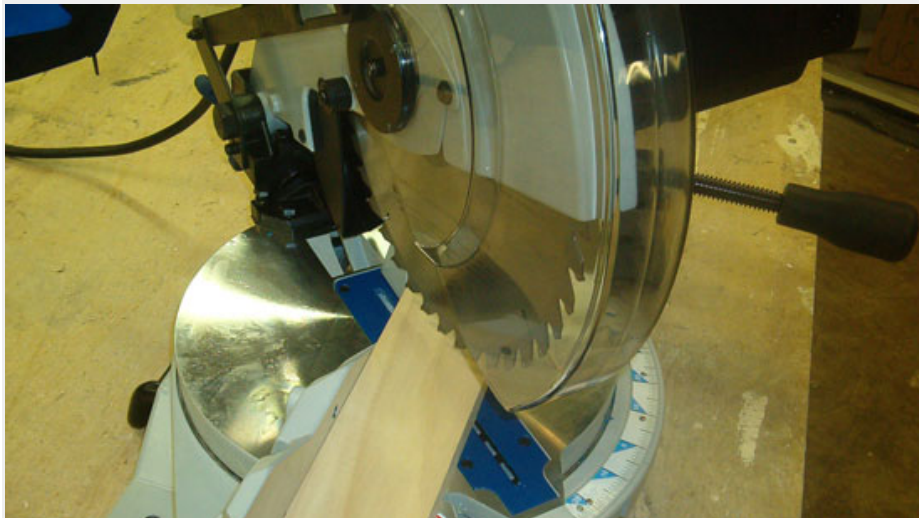


[Home](#) [How to Use](#) [Background](#) [Support](#) [Where to Buy](#)

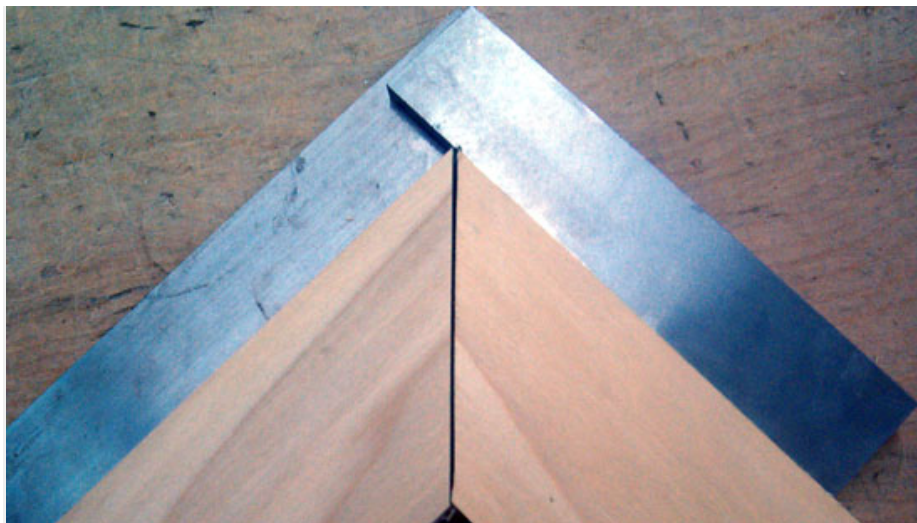
The following pictures demonstrate the role of the Lion Miter Trimmer. For an example, we are going to cut a 1" x 3" piece of Poplar with a power miter saw, use the Lion Miter Trimmer to finish the cut edges and then glue and clamp the two pieces into a perfect miter.



The poplar is placed and clamped in the miter saw



The miter saw is set at 45 degrees and the wood is cut. Please remember to follow proper safety precautions when using this or any power or hand tool.



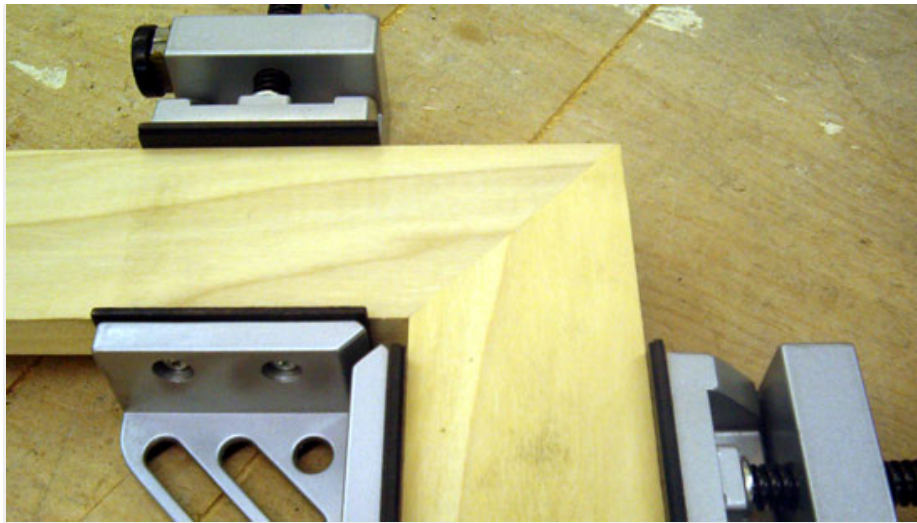
The rough cut pieces are shown prior to using the Lion Miter Trimmer. The pieces are not square, in one case the edge is ragged and a small chip remains.



The Lion Miter Trimmer is the next tool used to make the perfect miter in this sequence. Set the right gauge to the 45 degrees mark (factory preset), and trim off a 1/16" (give or take) of material with the Lion Miter Trimmer. Repeat this step on the left side of the Trimmer for the other piece.



This is a reverse view of the Lion Miter Trimmer showing the removal of a small sliver of material.



Glue and clamp the two pieces.

While we have demonstrated the basic technique of using the Lion Miter Trimmer using a simple 1" x 3" piece of Poplar, the trimmer can be used at any angle from 1 to 90°. The Lion Miter Trimmer works with any hard or soft wood and some plastics. With the accessories it can trim multiple pieces to the same length, or trim moldings with hollowed, tapered or curved outside edges. The product is purchased by hobbyists and professionals alike, and can often be found on a convenient shelf in the workshop, or being brought to the jobsite.

Once you own a Lion Miter Trimmer, you will continually find new uses for it both in your workshop and on the job.

[Home](#) :: [How to Use](#) :: [Background](#) :: [Support](#) :: [Where to Buy](#)

A product design that hasn't
changed for more than 100 years.



[Home](#) [How to Use](#) [Background](#) [Support](#) [Where to Buy](#)

A Little History

The fact is, just about everybody who owns one, raves about the LION Miter Trimmer. And there are those that would say "if it ain't broke, don't fix it." But we want to stay on, well, the cutting edge of the miter industry. Frankly, since 1900, we haven't made any significant changes. Except that terrific new label.

The LION Miter Trimmer will continue to make perfect cuts—time after time after time. When blades wear down, we offer blade sharpening and rehoning services. And with suggested maintenance and proper lubrication, the LION Miter Trimmer will last a lifetime.



This web site will show you more about the various attachments available for your trimmer. It's been replicated, but it's never been duplicated. This is simply the most reliable tool money can buy.

For over one hundred years, we never have—and never will—cut back or change our commitment to quality and service. It's been the key not only to our own success, but our customer's success as well.

[Home](#) ¶ [How to Use](#) ¶ [Background](#) ¶ [Support](#) ¶ [Where to Buy](#)

Cuts made possible by the LION miter Trimmer



Basic Miter

To make a miter cut, pre-cut the wood slightly oversize (1/4" or so) and then trim each end with the trimmer. When making multiple cuts of the same length, the Measuring Attachment speeds things up and ensures accuracy.



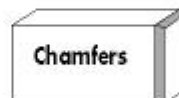
Compound miters

To make a compound miter you should make your miter cut on the trimmer and then using a block, tip the wood to the desired angle and make a second cut.



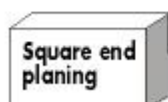
Bevels

To miter angles other than 45°, depress the pin stop and loosen the thumb screw to move the gauge. Use a protractor or adjustable bevel square to set the desired angle. You do not need to tighten the thumb screw with anything other than your fingers. Using too much force will break the gauge.



Chamfers

To make a chamfer cut, first cut the piece at 90°. Then using a block, cut bevels around each side.



Square end planing

Set your gauge to 90° and trim your wood to the desired length.



Rounds

Draw the shape you want and then use a series of cuts to achieve your round. It helps sometimes to remove one or both gauges to make it easier.

Miter Trimmer parts & accessories overview



[Home](#) [How to Use](#) [Background](#) [Support](#) [Where to Buy](#)




Parts for your trimmer may be ordered by calling the factory at (978) 948 7504 . Orders may also be faxed to (978) 948 5443. Please be sure to include your UPS shipping address, telephone number, quantity and part name.

Blade Sharpening: The Lion Miter Trimmer is made to last a lifetime, but as with any cutting tool, the blade will dull


with use. When the blades are pushing the wood away, it's time to sharpen them. Remove the screws holding the blades, wrap them, and send them to us with a payment of \$65.00 Check or money order made out to Martin Ryan and we will re-grind and re-hone them razor-sharp, ready to reinstall. Ship blades to:

Lion Miter Trimmer
311 Central Street
P.O. Box 602
Rowley, MA 01969

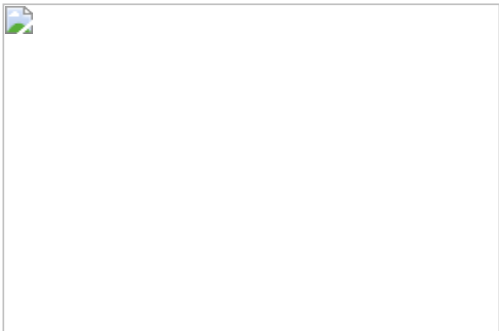
[Home](#) :: [How to Use](#) :: [Background](#) :: [Support](#) :: [Where to Buy](#)




[Home](#) [How to Use](#) [Background](#) [Support](#) [Where to Buy](#)



Measuring Attachment
Measures & miters at the rabbet, 2 or more pieces to the exact same length, making duplicate opposite sides—up to 28"



Top Trimmer
For mouldings whose outside edge are tapered, hollow or curved, making them hard to hold. Clamps on either gauge to take advantage of the flat stable part of the wood so there is no rocking when cutting. Examples of some types of moulding that can be cut with the top trimmer attachment are shown below.



[Home](#) ¶ [How to Use](#) ¶ [Background](#) ¶ [Support](#) ¶ [Where to Buy](#)

Our Dealers/Contact Us



[Home](#) [How to Use](#) [Background](#) [Support](#) [Where to Buy](#)

Online

[Amazon.com](#)

[Hartville Tool](#)

[RightTool.com](#)

[Coastal Tool](#)

[Highland Hardware](#)

[Woodcraft Supply](#)

California

Austin Hardwoods and Hardware

610 N. Santiago Street
Santa Ana, CA 92701
(714) 953-4000

Buena Tool Company

433 Laguna Street
Santa Barbara, CA 93101
(888) 283-6225

Australia, UK and USA

2645 Riverside AVE
Paso Robles, CA 93446
(805) 237-9725

Connecticut

Coastal Tool

510 New Park Avenue
W. Hartford, CT 06110

Tools Plus

153 Meadow Street
Waterbury, CT 06702
(800) 222-6133

Georgia

Highland Hardware

1045 North Highland Avenue
Atlanta, GA 30306
800-241-6748

Illinois

Berland's House of Tools

1520 Centre Circle Drive
Downer's Grove, IL 60515
(800) 339-0026

Massachusetts

Harland B. Foster

15 Bridge Street
Great Barrington, MA 01230
(800) 286-8995

Woodworkers Warehouse

128 Oxford Street
Lynn, MA 01901

Minnesota

SATCO Supply

441 Old Highway 8
St. Paul, MN 55112
800-328-4644

New Jersey

Montague Tool & Supply Co

42 Broad Street
Branchville, NJ 07826
973-948-6400

New York

United Manufacturer's

Supplies
80 Gordon Drive
Syosset, NY 11791
(800) 645-7260

Philipps Bros. Supply

2525 Kensington Avenue
Amherst, NY 14226
(716) 839-4800

Ohio

Hartville Tool

13163 Market Avenue
North Hartville, OH 44632
(800) 345-2396

Pennsylvania

Richard T. Byrnes Co.

600 Hannum Avenue
West Chester, PA 19380
(800) 228-2976

Utah

Woodworkers Supply

1402 West Center Street
Orem, UT 84057
(801) 224-2260

West Virginia

Woodcraft Supply

Corporation Box 1686
Parkersburg, WV 26102
(800) 225-1153

Wisconsin

Bay Verte Machinery, Inc.

975 Parkview Road
Green Bay, WI 54304
(800) 654-7440

LaForce, Inc

1060 West Mason Street
Green Bay, WI 54303
(800) 672-6795

Woodworker's Depot

2001 Ramada Way
Green Bay, WI 54304
(800) 891-9003

For further information about finding a distributor near you, call or write the address below:

Lion Miter Trimmer

P.O. Box 602
Rowley, MA 01969com

phone: (978) 948-7504

fax: (978) 948-5443

eMail:

lionmitertrimmer@verizon.net

[Home](#) [How to Use](#) [Background](#) [Support](#) [Where to Buy](#)